

6 MC ?

80% right

0-7 = right

8-9 = wrong

correct

935012~~7~~83325~~1~~

~~111~~

Warm Up:

** Finish the last page of the worksheet from yesterday (Cereal boxes).

** You already did #1 on this (the instructions).

Example:

A cereal company has 3 prizes in its cereal boxes. They are trading cards for Tiger Woods, Serena Williams, and David Beckham. They are not equally likely though. Tiger is in 20% of boxes, Serena is in 50% of boxes, and Beckham is in 30%.

Simulate opening boxes until you get all 3 cards. Do at least 10 trials, starting at line 40 on the table of random digits.

Example:

Late in a basketball game, the team that is losing will often foul in order to try and get the ball back. The player that is fouled will often get to shoot "1 & 1" foul shots (meaning he gets a shot, and then a second shot only if he makes the first). Suppose the player has made 72% of his foul shots this season.

Use simulation to estimate the average number of points he will score in this situation. (use any line on the table)

Complete Ch. 11 classwork

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You are about to take your drivers test. It is shown that only 34% of students pass the test the first time. However the percentage rises to 72% on subsequent trials.

Use simulation to estimate the average number of times that drivers must take the test before they get their license. Use at least 20 trials.